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CURRICULUM COMMITTEE RECOMMENDATION

SR-06-07-22 CC

Recommends approval of the listed **COURSE ADDITIONS** in the following colleges and/or schools:

- **COLLEGE OF HEALTH PROFESSIONS**

DTS 215 Assessment and Education Strategies in DTS 3 hours
Establish a foundation for effective nutrition assessment and education of individuals and groups.
Prerequisite(s): DTS 201

NUR 101 Academic Success for the Associate Degree Nursing Student 1 hour
This seminar course is designed to assist students to be successful in an Associate Degree Nursing Program. Students are expected to be active participants each class session. Co-requisite(s): NUR 120 or NUR 123.

- **COLLEGE OF LIBERAL ARTS**

HST 439 Modern China Through Film 3 hours
Through a combination of films, lectures, readings, discussions, and writings, the course will show how China took its unique path to modernization. Co-requisite(s)/Prerequisite(s): None.

JPN 240 Japanese Society and Culture in Translation 3 hours
An introduction course of Japanese society and culture through Japanese films, readings, and lectures. This course examines social, political and cultural themes in contemporary Japanese society. Course taught in English. Co-requisite(s)/Prerequisite(s): None.

JPN 280-283 Japanese Special Topics 1 – 4 hours
Study of a topic not normally covered in courses. Co-requisite(s)/Prerequisite(s): JPPN 204 and permission of instructor.

JPN 315 Advanced Japanese II 3 hours
Equal emphasis on listening, speaking, reading, and writing skills. Students learn advanced grammar and 100 Kanji characters. The course includes preparation for the Japanese Proficiency Exam. Course taught in Japanese. Co-requisite(s)/Prerequisite(s): JPN 305.

JPN 480-483 Japanese Special Topics 1 – 4 hours
Study of a topic not normally covered in courses. Co-requisite(s)/Prerequisite(s): JPN 204 and permission of instructor.

- **COLLEGE OF SCIENCE**

BSC 425 Biosystematics 3 hours
Biosystematics is a unifying discipline that combines *taxonomy* (collecting, describing and naming organisms), *phylogenetics* (evolutionary relationships among species), and *classification*

(organization of taxa into groups which ultimately reflect evolutionary relationship).

Co-requisite(s)/Prerequisite(s): BSC 121 with a C or better.

- BSC 443 Microbial Genetics 3 hours
Microbial Genetics covers the essential functions of DNA replication and gene expression in prokaryotic cells. The course includes molecular genetics of bacteria and phages, bioinformatics and discussion of laboratory techniques. Co-requisite(s)/Prerequisite(s): BSC 121 with a C or better; BSC 302 recommended.
- IST 360 Game Development I: 2D 3 hours
Covers computer software industry, history and the role of a creative game development team. Students will participate in the game development process, including art, animation, programming, music, sound and writing. Prerequisite(s): IST 163 & IST 236.
- IST 438 Computer Graphics for Gaming 3 hours
Fundamental concepts dealing with the display of graphic information on semi-interactive storage tube displays. The course includes techniques for hidden line display, hidden line removal, and two- and three-dimensional transformation. Prerequisite(s): IST 163 & IST 236.
- IST 439 Game Development II: 3D 3 hours
Covers state of the art techniques for computer game design and development with an emphasis on the 3D graphics and interaction through practical, example driven approaches of game development. Prerequisite(s): IST 438
- IST 460 Game Development III: AI 3 hours
Advanced concepts of game development with a focus on artificial intelligence. AI techniques covered include A* path finding algorithm, rule-based reasoning, reinforcement learning, neural networks, genetic algorithm, knowledge representation. Prerequisite(s): IST 439
- MTH 329 Elementary Linear Algebra 3 hours
Systems of linear equations, matrices and determinants, vector spaces, linear transformations, eigenvalues, eigenvectors, and applications. Co-requisite(s)/Prerequisite(s): None. Course being deleted in place of this addition: MTH 330.
- MTH 345 Applied Probability and Statistics 3 hours
Statistical methods in scientific/engineering research, with emphasis on applications. Probability modeling, experimental design/survey sampling, estimation/hypothesis testing procedures, regression, ANOVA/factor analysis. Implementation using statistical software such as Excel, SAS. Co-requisite(s)/Prerequisite(s): MTH 230 or IST 230.
- MTH 404 Mathematics Methods and Materials 3 hours
Content and content-specific pedagogy for secondary mathematics education majors. Co-requisite(s)/Prerequisite(s): CI 470 / Admin 5.
- MTH 440 Graph Theory and Combinatorics 3 hours
The course is designed to introduce students in mathematical sciences to the theorems, techniques and applications of graph theory and combinatorics. Co-requisite(s)/Prerequisite(s): MTH 300.

PHY 425 Solid State Physics

3 hours

The course provides a broad introduction to the structure and physical properties of solids. It also serves as a basis for advanced courses in solid state and condensed matter physics. Co-requisite(s)/Prerequisite(s): PHY 320 or 442 or CHM 442.

RATIONALE:

Each course is an appropriate addition to the respective programs.

FACULTY SENATE CHAIR:

APPROVED BY THE
FACULTY SENATE:

Larry Stiebler DATE: *5/4/2007*

DISAPPROVED BY THE
FACULTY SENATE:

DATE: _____

UNIVERSITY PRESIDENT:

APPROVED:

[Signature]

DATE: *5/9/07*

DISAPPROVED:

DATE: _____

COMMENTS:

